

ZK0367

Target Position: exon 3

Sense Strand Sequence

GGACATCCGCAGCATCACTG CACCGTCCCAGAGGGAGTAGCTGGAGCCCCTAATGAAGCAGC
GCTGGTGTCCCTGATGGAACGGTCCGGGTATGGCATGGTGCAAGAAAACGGACAGCGCAA
TACGGCCACCTCCA GGCTGGCAAGGCACTTCCCCTCCC CGCGTTGTGAAATATTTGTTGGT
AAAATCCCACGTGACGTTTACGAGGATGAGCTGGTGCCAGTATTTGAGAGTGTGGGAAGGAT
CTACGAGATGCGCCTTATGATGGACTTTGACGGGAAGAACC GTGGTTATGCGTTTGT CATGTA
CACGCAGAAGCACGAGGCAAAGCGAGCGGTCCGTGAACTCAATAACTTCGAGATCCGTCCTG
GGAGATTGCTAGGTGTGTGCTCCAGCGTAGACA ACTGCCGCCTCTTCATTGGAGGAATTCCAA
AAACCAAGAAACGGGAGGAGATC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0367a: 6bp deletion, 2bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          AACGGACAGCGCAAATACGGCCACCTCCAGGCTGGCAAGGCACTTCCCCTCCCCGCGGT
ZK0367a     AACGGACAGCGCAAATACGGCCACCTCCAGG-----GGAGGCACTTCCCCTCCCCGCGGT
*****
*****

WT          TGTGAAATATTTGTTGGTAA
ZK0367a     TGTGAAATATTTGTTGGTAA
*****
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ZK0367b: 17bp deletion, 9bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

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WT          AACGGACAGCGCAAATACGGCCACCTCCAGGCTGGCAAGGCACTTCCCCTCCCCGCGGT
ZK0367b     AACGGACAGCGCAAATACGGCCACCTCCAATTTACTAA-----CCCTCCCCGCGGT
*****
*****

WT          TGTGAAATATTTGTTGGTAA
ZK0367b     TGTGAAATATTTGTTGGTAA
*****
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